PTO/SB/05 (06-03)

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September 16, 2003

|  | Attorney Docket No. 9593-034 |  |  |                                     |      |                   |  |
|--|------------------------------|--|--|-------------------------------------|------|-------------------|--|
| UTILITY  |                              | nventor  | Steve  | Steven M. Ruben                     |      |                   |  |
| PATENT APPLICATION TRANSMITTAL   | Title                        | Apopto   | sis Ind  | ucing Mole                          | cule | ·1                |  |
| (Only for new nonprovisional applications under 37 CFR 1.53(b))  | Expres                       | ss Mail Label No.  |  |                                     |      |                   |  |
| APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.   |                              | MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450   |  |                                     |      |                   |  |
| X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)  Applicant claims small entity status. See 37 CFR 1.27.  X Specification [Total Pages 59]  (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix   |                              | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  a. Computer Readable Form (CRF)  b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or ii. X Paper  c. X Statements verifying identity of above copies |  |                                     |      |                   |  |
| Background of the Invention     Brief Summary of the Invention     Brief Description of the Drawings (if filed)     Detailed Description   |                              |  | ACCOMPANYING APPLICATIONS PARTS  |                                     |      |                   |  |
|  |                              |  | Assignment Papers (cover sheet & document(s))  |                                     |      |                   |  |
| Claim(s)     Abstract of the Disclosure  |                              | 10.  |  | .73(b) Statemei<br>re is an assigne |      | Power of Attorney |  |
| 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 7  | 1                            | 11. English Translation Document (if applicable)   |  |                                     |      |                   |  |
| 5. Oath or Declaration [Total Sheets 2   | ]                            | 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations  |  |                                     |      |                   |  |
| a. Newly executed (original or copy)   |                              | 13. Preliminary Amendment  |  |                                     |      |                   |  |
| b. X Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)  i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  |                              |  | <ul> <li>14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)</li> <li>15. Certified Copy of Priority Document(s) (If foreign priority is claimed)</li> <li>16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</li> <li>17. X Other: Request Under 37 C.F.R. § 1.821(e)</li> </ul> |                                     |      |                   |  |
| 6. X Application Data Sheet. See 37 CFR 1.76 [2 Pages Total]   |                              |  |  |                                     |      |                   |  |
| 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:  Continuation X Divisional Continuation-in-part (CIP) of prior application No.: 08/816,981  Prior application information: Examiner Phuong N. Huynh Art Unit: 1644  For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. |                              |  |  |                                     |      |                   |  |
| 19. CORRESPONDENCE ADDRESS   |                              |  |  |                                     |      |                   |  |
| X Customer Number: 20583 OR Correspondence address below   |                              |  |  |                                     |      |                   |  |
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| Country Telephone Fax  |                              |  |  |                                     |      |                   |  |
| Name (Print/Type) Kenley K Hoover  |                              | Regist   | ration No.   | (Attorney/Agen                      | f)   | 40,302            |  |

Signature

PTO/SB/17 (05-03)

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Complete if Known FEE TRANSMITTAL Not Yet Assigned Application Number for FY 2003 Filing Date Concurrently Herewith First Named Inventor Steven M. Ruben Effective 01/01/2003, Patent fees are subject to annual revision. Examiner Name Not Yet Assigned Applicant claims small entity status. See 37 CFR 1.27 N/A Art Unit TOTAL AMOUNT OF PAYMENT 9593-034 834.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Credit Money Check 3. ADDITIONAL FEES Orde χ Deposit Account Large Entity Small Entity Deposit 08-3425 Account Fee Fee Description Number Code (\$) Code (\$) Fee Paid Deposit 1051 130 2051 65 Surcharge - late filing fee or oath Account Human Genome Sciences, Inc. Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Director is hereby authorized to: (check all that apply) X Charge fee(s) indicated below X Credit any overpayments 1053 130 1053 130 Non-English specification Charge any additional fee(s) during the pendency of this 1812 2.520 1812 2,520 For filing a request for ex parte reexamination application Requesting publication of SIR prior to 1804 920\* 1804 920\* Charge fee(s) indicated below, except for the filing fee Examiner action to the above-identified deposit account Requesting publication of SIR after 1805 1,840 1805 1.8401 Examiner action **FEE CALCULATION** 1251 110 2251 Extension for reply within first month 1. BASIC FILING FEE 1252 410 2252 Extension for reply within second month Large Entity Small Entity 1253 930 2253 Extension for reply within third month Fee Fee Fee Fee Description Fee Paid 2254 1254 1.450 725 Extension for reply within fourth month (\$) Code (\$) 1001 750 2001 375 Utility filing fee 750.00 1255 1.970 2255 985 Extension for reply within fifth month 1002 330 2002 165 Design filing fee 1401 320 2401 160 Notice of Appeal 1003 520 2003 260 Plant filing fee 1402 320 2402 160 Filing a brief in support of an appeal 1004 750 2004 375 Reissue filing fee 1403 280 2403 Request for oral hearing 1005 160 2005 Provisional filing fee 1451 1.510 1451 Petition to institute a public use proceeding 1452 110 2452 Petition to revive - unavoidable SUBTOTAL (1) 750.00 1453 1.300 2453 650 Petition to revive - unintentional 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 1,300 2501 650 Utility issue fee (or reissue) Extra Fee from 1502 470 2502 235 Design issue fee Fee Paid Claims below Total Claims 15 -20\*\* 0 18.00 0.00 1503 630 2503 315 Plant issue fee Independent -3\*\* = 1 84.00 1460 130 1460 130 Petitions to the Commissioner Multiple Dependent 1807 1807 50 50 Processing fee under 37 CFR 1.17(a) 1806 Large Entity Small Entity 180 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per Fee Description 8021 40 8021 Code Code (\$) (\$) property (times number of properties) 1202 2202 Claims in excess of 20 Filing a submission after final rejection 1809 750 2809 375 (37 ČFR 1.129(a)) 1201 84 2201 42 Independent claims in excess of 3 For each additional invention to be 1810 750 2810 140 375 1203 280 2203 Multiple dependent claim, if not paid examined (37CFR 1.129(b)) 1204 84 2204 42 Reissue independent claims 1801 750 2801 Request for Continued Examination (RCE) over original patent Request for expedited examination 1802 900 1802 1205 18 2205 " Reissue claims in excess of 20 of a design application and over original patent Other fee (specify) SUBTOTAL (2) (\$) \*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00 \*\*or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No. Name (Print/Type) Kenley K, Hoever 40,302 Telephone (301) 610-5771

(Attorney/Agent)

Date

September 16, 2003

Signature